



DX700 DSP

DX-Series Built-in Amplifiers for PA Speaker Systems



- D class power amplifier
- Switching power supply
- Power factor corrector (optional)
- Forced cooling system
- Detachable power cord
- Input section with DSP
- USB port for DSP setting
- 3-position preset switch
- Line input – XLR
- Line output – XLR
- Line output switch: THRU/SAT
(THRU – parallel connection to input,
SAT – send processed signal to line output)
- Input level control
- Overload and short-circuit protection
- DC output protection
- Thermal protection
- High frequency protection

BUILT-IN AMPLIFIER

Application:

Built-in amplifier for full range speaker systems.

Versions of amplifiers:

for 4 Ohms speaker impedance – DX700-4 DSP

for 8 Ohms speaker impedance – DX700-8 DSP

Power Rating *:

– DX700-4 DSP

700/380 W (4/8 Ohms)

– DX700-8 DSP

700 W (8 Ohms)

Frequency Range **

45 Hz – 20 kHz

Total Harmonic Distortions

<0.05%

Slew Rate

20 V/μs

Damping Factor

200 (200 Hz, 8 Ohms)

Signal-to-Noise Ratio

98 dB (unweighted)

Sensitivity ***

775 mV

Power Requirements

~ 230 V, 50/60 Hz

Weight:

– DX700 DSP

3.8 kg

– DX700 DSP PFC

4.1 kg

Dimensions

198 mm x 408 mm x 104 mm

Note.

* At mains voltage:

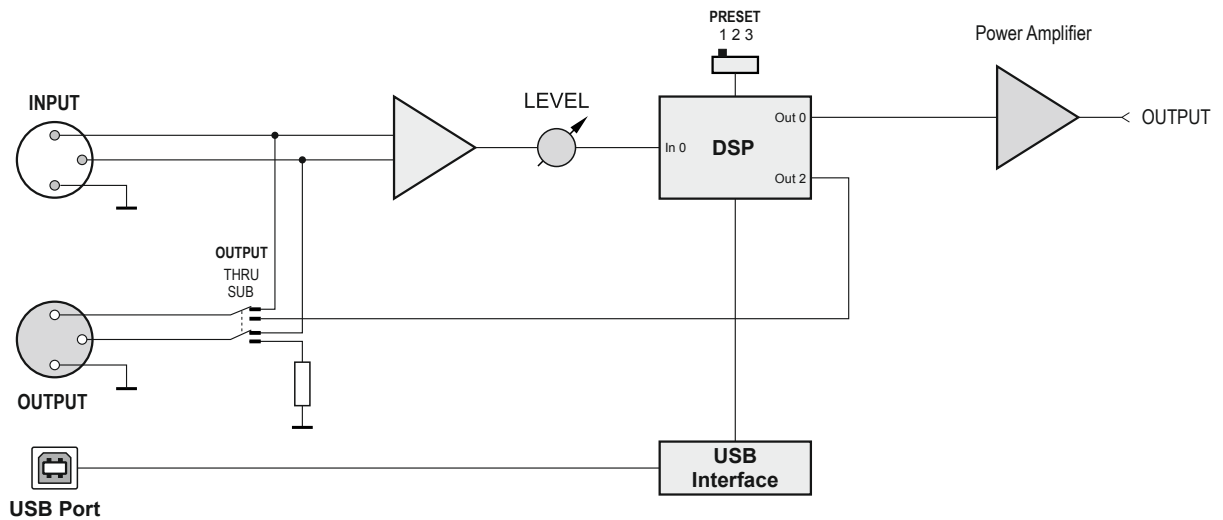
– ~230 V for amplifier without Power Factor Correction (PFC);

– ~160-280 V for amplifier with Power Factor Correction (PFC).

** Frequency range is defined by DSP settings.

*** Basic setting, which can be changed by DSP engine.

AMPLIFIER BLOCK DIAGRAM



MECHANICAL DRAWING

